

**MICHAEL O. SCHEINBERG**  
Patent Attorney

March 20, 2003

**Fax**

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**Date:** March 20, 2003  
**Subject:** Response to Office Action  
**Pages:** 18 (including this coversheet)  
**Our Reference:** F070  
**APPL. NO.:** 09/840,558  
**APPLICANT:** Robert L. Gerlach, Karel D. Van der Mast and Michael R. Scheinfein  
**FILING DATE:** April 23, 2001  
**EXAMINER:** Paul M. Gurzo  
**ART UNIT:** 2881  
**TITLE:** Collection of Secondary Electrons Through the Objective Lens of a Scanning Electron Microscope

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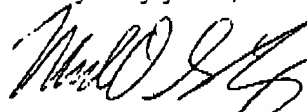
TECHNOLOGY CENTER 2800

**Comments:**

Applicant submits the following:

1. Response to Office Action
2. Fee Transmittal (*in duplicate*)

Very truly yours,

  
Michael O. Scheinberg

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PTO/SB/17 (01-03)

Approved for use through 04/30/2003. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**FEE TRANSMITTAL  
for FY 2003**

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** 438.00**Complete if Known**

Application Number 09/840,558

Filing Date April 23, 2001

First Named Inventor Robert L. Gerlach

Examiner Name Paul M. Gurzo

Art Unit 2881

Attorney Docket No. F070

MAR 20 2003

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:

Deposit Account Number 50-1635

Deposit Account Name Michael O. Scheinberg

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
<b>SUBTOTAL (1) (\$)</b>			

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
29	-20** = 1	18	18
Independent Claims 8	-3** = 5	84	420
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2) (\$)** 438.00

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 410	2252 205	Extension for reply within second month	
1253 930	2253 465	Extension for reply within third month	
1254 1,450	2254 725	Extension for reply within fourth month	
1255 1,970	2255 985	Extension for reply within fifth month	
1401 320	2401 160	Notice of Appeal	
1402 320	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1501 1,300	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	Design issue fee	
1503 630	2503 315	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1609 750	2609 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$)****SUBMITTED BY**

Name (Print/Type) Michael O. Scheinberg

Registration No. 36,919

(Name/Agent)

(Complete if applicable)

Telephone (512) 328-9510

Signature

Date

March 20, 2003

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

**Patent Assignment Abstract of Title**

**NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.**

**Total Assignments: 2****Patent #:** 6455848 **Issue Dt:** 09/24/2002 **Application #:** 09464008 **Filing Dt:** 12/15/1999**Inventors:** MARCELLINUS PETRUS CAROLU KRIJN, ALEXANDER HENSTRA**Title:** PARTICLE-OPTICAL APPARATUS INVOLVING DETECTION OF AUGER ELECTRONS.**Assignment: 1****Reel/Frame:** 010691/0805**Recorded:** 03/20/2000**Pages:** 2**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).**Assignors:** MARCELLINUS P.C.M. KRIJN**Exec Dt:** 02/15/2000

HENSTRA, ALEXANDER

**Exec Dt:** 02/15/2000**Assignee:** PHILIPS ELECTRON OPTICS B.V.

ACHTSEWEG NOORD 5

5651 GG EINDHOVEN, NETHERLANDS

**Correspondent:** PHILIPS ELECTRONICS NORTH AMERICA CORP

TONY PIOTROWSKI

580 WHITE PLAINS ROAD

TARRYTOWN, NY 10591

**Assignment: 2****Reel/Frame:** 013211/0995**Recorded:** 08/19/2002**Pages:** 3**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).**Assignor:** FEI ELECTRON OPTICS B.V.**Exec Dt:** 07/15/2002**Assignee:** FEI COMPANY

7451 NW EVERGREEN PARKWAY

HILLSBORO, OREGON 97124-5830

**Correspondent:** PHILIPS ELECTRONICS NORTH AMERICA CORP.

ROBERT J. KRAUS

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Search Results as of: 3/20/2003 3:18:52 P.M.

If you have any comments or questions concerning the data displayed, contact OPR / Assignments at 703-308-9223  
Web Interface last modified: Oct. 5, 2002

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Attorney Docket No.: F070

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3/26/03  
ABell

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.: 09/840,558 ART UNIT: 2881

APPLICANT: Robert L. Gerlach,  
Karel D. Van der Mast; and  
Michael R. Scheinfein EXAMINER: Paul M. Gurzo

FILING DATE: April 23, 2001

TITLE: Collection of Secondary Electrons Through the Objective Lens of  
a Scanning Electron Microscope

AMENDMENT AND RESPONSE TO OFFICE ACTION

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Commissioner for Patents  
Washington, D.C. 20231

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Applicants hereby responds to the Dec. 20, 2002 Office. Attached in accordance

03/27/2003 AJOHNSO1 with the PTO's Revised Format of Amendments are:

01 FC:1202 18.00 CH  
02 FC:1201 336.00 CH

1. A listing of all claims pending in the application showing the status of each claim and any current amendments; and
2. Remarks
3. Copy of a Patent Assignment Abstract of Title for U.S. Pat. No 6,455,848 to Krijn et al.

CERTIFICATE OF FACSIMILEI hereby certify that this paper or fee is being transmitted via facsimile to the Commissioner for Patents,  
Washington, D.C. 20231 on this 20th day of March, 2003.By: 

Michael O. Scheinberg